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PTO/SB/21 (09-06)
Approved for use through 03/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
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TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	10/828,715-Conf. #4767
	Filing Date	April 21, 2004
	First Named Inventor	Jeffrey S. Bonwick
	Art Unit	2133
	Examiner Name	G. J. Lamarre
Total Number of Pages in This Submission	Attorney Docket Number	03226/396001; P9040

ENCLOSURES (Check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): IDS by Applicant (2 pages); Certificate of Express Mailing (1 page); Return Receipt Postcard
<div>Remarks</div>		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT			
Firm Name	OSHA · LIANG LLP		
Signature	 \$ L0031 ALV D058A		
Printed name	Robert P. Lord		
Date	April 11, 2007	Reg. No.	46,479



Application No. (if known): 10/828,715

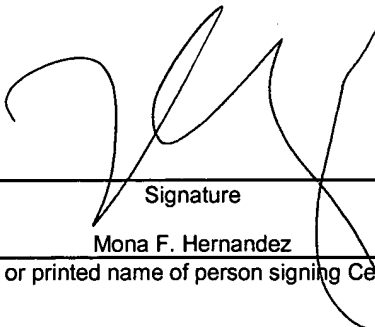
Attorney Docket No.: 03226/396001; P9040

Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EM 052156856 US in an envelope addressed to:

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Mona F. Hernandez

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Transmittal (1 page)
Information Disclosure Statement (2 pages)
IDS (Citation) by Applicant (27 References) (2 pages)
Fee Transmittal (1 page)
Payment by credit card. Form PTO-2038 is attached (1 page)
Charge \$180.00 to credit card
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PTO/SB/17(02-07)

Approved for use through 02/28/2007. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).		Complete if Known	
FEE TRANSMITTAL For FY 2007		Application Number	10/828,715-Conf. #4767
		Filing Date	April 21, 2004
		First Named Inventor	Jeffrey S. Bonwick
		Examiner Name	G. J. Lamarre
		Art Unit	2133
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27	Attorney Docket No.	03226/396001; P9040	
TOTAL AMOUNT OF PAYMENT		(\$)	180.00

METHOD OF PAYMENT (check all that apply)

<input type="checkbox"/> Check	<input checked="" type="checkbox"/> Credit Card	<input type="checkbox"/> Money Order	<input type="checkbox"/> None	<input type="checkbox"/> Other (please identify): _____
<input checked="" type="checkbox"/> Deposit Account	Deposit Account Number: <u>50-0591</u> Deposit Account Name: <u>Osha · Liang LLP</u>			
For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)				
<input type="checkbox"/> Charge fee(s) indicated below	<input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee			
<input checked="" type="checkbox"/> Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17	<input checked="" type="checkbox"/> Credit any overpayments			

FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims
				Fee (\$)
				Fee Paid (\$)

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

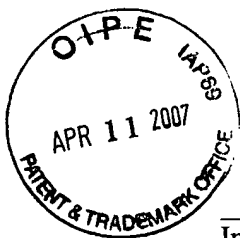
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)

4. OTHER FEE(S)

	Fees Paid (\$)
Non-English Specification, \$130 fee (no small entity discount)	
Other (e.g., late filing surcharge): 1806 Submission of an Information Disclosure Statement	180.00

SUBMITTED BY

Signature	<u>[Signature]</u> # <u>10031</u> <u>ALY</u>	Registration No. (Attorney/Agent)	46,479	Telephone	(713) 228-8600
Name (Print/Type)	Robert P. Lord			Date	April 11, 2007



Docket No.: 03226/396001; P9040
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Jeffrey S. Bonwick et al.

Application No.: 10/828,715

Confirmation No.: 4767

Filed: April 21, 2004

Art Unit: 2133

For: METHOD AND APPARATUS FOR
VECTORED BLOCK-LEVEL CHECKSUM
FOR FILE SYSTEM DATA INTEGRITY

Examiner: G. J. Lamarre

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08 (facsimile). It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Office Action or Notice of Allowance (37 CFR 1.97(c)).

04/12/2007 MBELETE1 00000005 10020715

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100.00 0P


In accordance with 37 CFR 1.98(a)(2)(ii), Applicant has not submitted copies of U.S. patents and U.S. patent applications. Applicant submits herewith copies non-patent literature in accordance with 37 CFR 1.98(a)(2).

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 50-0591, under Order No. 03226/396001; P9040.

Dated: April 11, 2007

Respectfully submitted,

By  # 20031
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ALTERNATIVE TO PTO/SB/08A/B (09/06)

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Complete if Known		
			Application Number	10/828,715-Conf. #4767	
			Filing Date	April 21, 2004	
			First Named Inventor	Jeffrey S. Bonwick	
			Art Unit	2133	
			Examiner Name	G. J. Lamarre	
Sheet	1	of	2	Attorney Docket Number	03226/396001; P9040

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	AA*	US- 2004/0225834	11-11-2004	Lu et al.	
	AB*	US- 2002/0161972	10/2002	Talagala et al.	
	AC*	US- 2004/0123063	06-24-2004	Dalal et al.	
	AD*	US- 2002/0004883	01-10-2002	Nguyen et al.	
	AE*	US- 6,745,284	06-01-2004	Lee et al.	
	AF*	US- 2005/0097270	05-05-2005	Kleiman et al.	
	AG*	US- 2003/0033477	02-13-2003	Johnson et al.	
	AH*	US- 2004/0107314	06-03-2004	Kim et al.	
	AI*	US- 2003/0145167	07-31-2003	Tomita, Haruo	
	AJ*	US- 2006/0218644	09-28-2006	Niles et al.	
	AK*	US- 2005/0235154	10-20-2005	Serret-Avila, Xavier	
	AL*	US- 2003/0126107	07-03-2003	Yamagami, Kenji	
	AM*	US- 7,043,677	05-09-2006	Li, Sheng	
	AN*	US- 2004/0098720	05-20-2004	Hooper, Donald F.	
	AO*	US- 2002/0087788	07-04-2002	Morris, J. Mark	
	AP*	US- 4,144,522	03-13-1979	Kageyama et al.	
	AQ*	US- 5,155,847	10-13-1992	Kirouac et al.	
	AR*	US- 6,209,111	03-27-2001	Kadyk et al.	
	AS*	US- 7,032,154	04-18-2006	Kidorf et al.	
	AT*	US- 2004/0234000	11/2004	Page, Michael	
	AU*	US- 5,371,885	12-06-1994	Letwin, James G.	
	AV*	US- 6,745,305	06-01-2004	McDowell, Steven R.	
	AW*	US- 7,007,196	02-28-2006	Lee et al.	
	AX*	US- 5,819,292	10-06-1998	Hitz et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)			

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	Goodheart, et al.; "The Magic Garden Explained"; Prentice Hall, Pp. 24-25, 29-30, 390-391 1994	

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/828,715-Conf. #4767
				Filing Date	April 21, 2004
				First Named Inventor	Jeffrey S. Bonwick
				Art Unit	2133
				Examiner Name	G. J. Lamarre
Sheet	2	of	2	Attorney Docket Number	03226/396001; P9040

	CB	Austin, B.J.; "A Dynamic Disc Allocation Algorithm Designed to Reduce Fragmentation During File Reloading"; pp. 378-381, 1970	
	CC	Stallings, W.; "Computer Organization and Architecture: Designing for Performance"; Prentice Hall, Fifth Edition, pp. 377-378, 2000	

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¹Applicant's unique citation designation number (optional). ²Applicant is to place a check mark here if English language Translation is attached.